

U.S. DEPARTMENT OF HOMELAND SECURITY U.S. COAST GUARD CG-33 Rev. (02-08)	BULK DRY CARGO RESIDUE REPORTING FORM							OMB Number 1625-0072 Expires:			
								OFFICIAL/IMO NO.			
MASTER'S CERTIFICATION:								VESSEL NAME:			
For Cargo Loading & Unloading Operations								For Residue Discharge Operations Only			
Date	Cargo Involved ¹	Operation (check one)		Facility Name	Control Measures Used ² (see list of codes)		Time Spent to Implement Control Measure (hrs)	Estimated Residue to be Discharged ³ (m ³)	Discharge Start	Discharge Stop	Vessel Speed (kts)
		Load	Unload						Date/Time(D/T) Ship's Position (Lat/Long)	Date/Time(D/T) Ship's Position (Lat/Long)	
									Facility	Vessel	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	

Remarks:

Please see footnotes on next page

NOTES:

¹ **Cargo Involved:** Provide the common name of the cargo (e.g., coal, taconite, sand, limestone, grain, salt, etc.)

When multiple cargo types are discharged, please create a separate entry for each type

² **Control Measures:** Enter the code(s) below for each dry cargo residue control measure(s) used during cargo handling operations, Return to Form
for both cargo facilities (if known), and for your vessel.

³ Estimated residue after loading and unloading operations to be discharged in accordance with 33 CFR 151.66

Cargo Involved	Facility Control Measures		Vessel Control Measures	
	<u>Code</u>	<u>Measure</u>	<u>Code</u>	<u>Measure</u>
	A	Enclosed conveyor	1	Enclosed conveyor
iron ore	B	Troughed conveyor	2	Troughed conveyor
taconite	C	Conveyor skirts	3	Conveyor skirts
scale	D	Belt Scrapers	4	Belt Scrapers
coal/coke	E	Water/mist for dust control	5	Water/mist for dust control
grain	F	Conveyor capacity indicators	6	Conveyor capacity indicators
seed	G	Deck remote controls of conveyors	7	Deck remote controls of conveyors
wood pulp	H	Stop conveyor while ship or belt is repositioned	8	Stop conveyor while ship or belt is repositioned
potash	I	Delay loading/unloading during high wind	9	Delay loading/unloading during high wind
fertilizer	J	Radio Communication between deck and loader	10	Radio Communication between deck and loader
limestone	K	Crew training on procedures to reduce residue	11	Crew training on procedures to reduce residue
sand/gravel	L	Limit vertical angle of conveyor boom	12	Limit vertical angle of conveyor boom
dolomite	M	Plow feeder	13	Broom & shovel (to return to hold or shore)
clay	N	Loading chute, incl. Telescoping or conveyors	14	Tarps to collect residue(to return to hold or shore)
aggregates	O	Chemical surfactants	15	Cargo hold vibrator
salt	P	Suction pumped cargo, slurry transport, pneumatic or screw conveyors	16	Watertight gate seal
gypsum	Q	Other (describe measure on "Remarks" line on front of form)	17	Cargo hold lining (teflon or kevlar)
cement			18	Minimize hatch removal during poor weather
Other			19	Careful cargo hold gate operation
			20	Other (describe measure on "Remarks" line on front of form)

Equivalence Table for estimating residue			
Cargo	Density (lbs/ft ³)	Equivalent Volume for 350 lbs of DCR	Volume in m ³
Coal	50	7 ft ³	0.2
Limestone	150	2.3 ft ³	0.07
Taconite	222	1.6 ft ³	0.05

Note: One 5 gallon bucket
is equivalent to 0.019 m³

1 cubic ft = 0.0283 m³